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Application Number	09/648,877
Filing Date	August 28, 2000
First Named Inventor	Christopher K. Williams
Group Art Unit	
Examiner Name	n/a
Attorney Docket Number	05169.00001

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FP ↑		www.mypublish.com, web page published 7/20/00	
		www.netbill.com, web page published 7/20/00.	
		www.wave.com, web page published 7/20/00.	
		HERZBERG, Safeguarding digital library contents. Charging for online content. D-Lib Magazine, Abstract, January 1998	
		BIRCH, Publishing and profits in the new economy, Abstract, 1997	
		RIEDMAN, Cybergold Revamp Makes Spending Easy, March 8 1999, page 44	
		KUYKENDALL, The Online Challengers, November 1999, page 78	
		ESSEX, Big Dreams For Tiny Money, December 13 1999, page 66	
		BUSINESS WIRE, Merchants and CSPs Gain Competitive Edge with Enhanced Shopping Experience Functionally from GlobelD, December 8, 1999, page 0628	
		BONISTEEL, Future Bright for Digital Cash, November 5, 1999, Abstract	
FP		HUDGINS-BONAFIELD, Simplicity Lies at the Heart of iPin's New Online payment Scheme, October 4. 1999, page 24	

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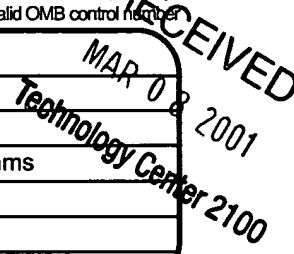
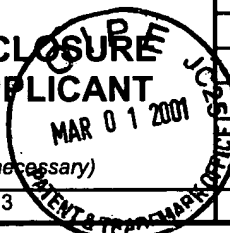
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FP		CARD NEWS, FirstNet Challenges Big Issuers On the Internet, July 28 1999, Abstract	
		KRUGER, How to put the e in telco, June 1999, page 6(5)	
		HAMBLIN, Trivnet offers payment service using ISP, May 17 1999, page 6(1)	
		SMALLEY/PATCH, Drop a dime online Micropayments were declared DOA a few years ago, but advances in smart cards and software may revive the virtual penny, November 30 1998, page 71(1)	
		BANK TECHNOLOGY NEWS, Scoping Out Electronic Billing, September 1, 1998, Abstract	
		LIEBMANN, E-Commerce: The Payoffs Of Faith, May 1 1998, Abstract	
		KRUGER, ISPs struggling with micro-payments, August 11 1997, page 29	
		MASON, E-Commerce May Not Be A Huge Success Yet, But It Soon Will Be, April 28 1997, page 53	
		PR NEWSWIRE, Clickshare Launches Internet's First Micropayments Service, September 16 1996 Page 0916NEM018	
FP		PC WEEK, Making Change, March 18 1996, Page A01	

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Group Art Unit	2161
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Examiner Name	n/a
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Attorney Docket Number	05169.00001
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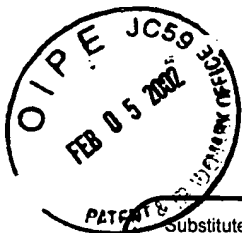
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		Number - Kind Code ² (if known)			
FP		US-5,590,197	12/31/1996	Chen, et al.	
		US- 5,671,279	09/23/1997	Elgamal	
		US- 5,692,132	11/25/1997	Hogan	
		US- 5,696,965	12/09/1997	Dedrick	
		US- 5,708,780	01/13/1998	Levergood, et al.	
		US- 5,710,887	01/20/1998	Chelliah, et al.	
		US- 5,715,314	02/03/1998	Payne, et al.	
		US- 5,724,424	03/03/1998	Gifford	
		US- 5,737,414	04/07/1998	Walker, et al.	
		US- 5,757,917	05/26/1998	Rose, et al.	
		US- 5,794,221	08/11/1998	Egendorf	
		US- 5,815,657	09/29/1998	Williams, et al.	
		US- 5,815,665	09/2/1998	Teper, et al.	
		US- 5,870,473	02/09/1999	Boesch, et al.	
		US- 5,883,810	03/16/1999	Franklin, et al.	
FP		US- 5,905,736	05/18/1999	Ronen, et al.	
		US- 6,000,832	12/14/1999	Franklin, et al.	
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FOREIGN PATENT DOCUMENTS

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FP		HERZBERG, A.; "Safeguarding Digital Library Contents--Charging for Online Content"; D-Lib Magazine; January 1998	
		Kuykendall, Lavonne, "The Online Challengers", Credit Card Management, Vol. 12, No. 8, November 1999, P. 78	
		"FirstNet Challenges Big Issuers on the Internet", Card News, Vol. 14, No. 14, July 28, 1999 (author unknown)	
		"Clickshare Launches Internet's First Micropayments Service", PR Newswire New Network, September 16, 1996 (author unknown)	
		O'Mahony, D., Pierce, M. and Tewari, H. Electronic Payment Systems, 1997 (Artech House Publishers)	
		CCBill Services Overview; http://about.ccbill.com/services.html	
		"Clickshare Enables Billable Hypertext Links"; http://www.clickshare.com/info/diagrams/chart1.shtml	
		"Payment mechanisms designed for the Internet"; http://ganges.cs.tcd.ie/mepeirce/Project/oninternet.html	
FP		"W3C Technology and Society Doman: Micropayments Overview" ; http://www.w3.org/Ecommerce/Micropayments/Overview.html	

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